

ABSTRACT

A metal film 4 is disposed between a permanent magnet 3 and a rotor yoke 1, and the permanent magnet 3 and the rotor yoke 1 are subjected to beam welding. Since the metal film 4 is disposed between the permanent magnet 3 and rotor yoke 1, and the metal film 4 as a laser beam irradiated portion is melted by vacuum beam or laser beam, the metal film 4 has brazing metal function in welding, so that the connection between the permanent magnet 3 and the rotor yoke 1 is strong. Since there is no need of embedding the permanent magnet 3 in the rotor yoke 1 and there is no need to use polymer adhesives, the cost can be reduced.